

Appl. No. : 09/852,963
Filed : May 8, 2001

AMENDMENTS TO THE CLAIMS

Please amend Claims 1-6 as follows.

1. (Currently Amended) A method of ~~providing~~ defining an composable information agents ~~agent composed of a plurality of information agents, the method comprising:~~

presenting a first graphical representation ~~associated with~~ of an first information agent as part of ~~in~~ a first composition accessed by an ~~initial~~ first application, said first information agent comprising a software object, having state, and having one or more possible external connections;

presenting at least a second ~~one or more~~ graphical representations ~~associated with~~ of at least a ~~one or more~~ second information agents as part of ~~in~~ a second composition accessed by an second application, said second information agent comprising a software object, having state, and having one or more possible external connections; and

allowing composing said second information agent into said first information agent by defining a functional connection ~~on~~ between said first information agent and said second information agent to be made by graphically connecting ~~one or more of~~ said second graphical representations to at least one of said one or more possible external connections of said first information agent.

~~associated with one or more second information agents with said graphical representation of said first information agent; and~~

~~connecting functionality of said one or more second information agents with said first information agent.~~

2. (Currently Amended) The method according to claim 1, wherein said first information agent takes said second information agent with said first information agent when said first information agent is ~~can be~~ relocated to a new environment, ~~and will take all of its associated second agents with it.~~

3. (Currently Amended) The method according to claim 1 wherein said ~~initial~~ first application is a web browser and said first composition is a web page.

4. (Currently Amended) The method according to claim 1 wherein said ~~initial~~ first application is an email client and said first composition is an email message.

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5. (Currently Amended) The method according to claim 1 wherein said ~~initial first~~ application is a desktop provided by an operating system and wherein said second application, in which said second information agent is presented, is different from said first application, second information agents are presented in a different application but but said second information agent can ~~may be connected to said a first information agent on a desktop.~~

6. (Currently Amended) The method according to claim 5 wherein said desktop provided by an operating system is an interface of a platform, said platform selected from the group consisting of: a ~~w~~ Windows PC, a Macintosh PC, a unix-type operating system, a set-top box, a wireless logic appliance, an internet appliance, a personal digital assistant, or another y ~~other~~ device connected to a network.

7. (Withdrawn) A logic architecture comprising:

a plurality of Envoyis in a parent/child tree structure, each Envoyi an object that handles requests for services and having connections to other objects;

a standard service request protocol for distributing services; and

a plurality of generalizable connections for providing communication between Envoyis and between an Envoyi and an external entity.

8. (Withdrawn) A logic architecture providing for object portability on a platform comprising:

a MetaVoii able to detect movement of portable objects and able to trigger installation of necessary components;

one or more PlaceVoii, each PlaceVoii allowing existence of portable objects within a particular logical environment;

one or more skins, attached to a PlaceVoii or a portable object, providing interface, display, connectivity, behavioral, or interactivity functions;

one or more portable objects;

a standard service request protocol for distributing services; and

a plurality of generalizable connections for providing communication between Envoyis and between an Envoyi and an external entity.

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9. (Withdrawn) A method for providing portable graphical agents comprising:
providing a top-level authoritative server for distributing system architecture components;
providing a plurality of operating system agents, for a plurality of different operating systems, for communicating with said server and detecting events in their operating systems; and
within a particular platform, providing an expandable architecture of services and application agents managed by said operating system agent;
wherein said operating system agent detects a request to move a portable graphical agent to a new location and triggers downloading and installation of necessary services and agents.
10. (Withdrawn) The method according to claim 9 such that a user interacting with an agent will experience the agent as an independent object capable of moving among different logic environments.
11. (Withdrawn) A method for generalizing requests for services comprising:
at insertion of an object, requesting any necessary services from said object's parent; querying parts available at said parent for said requested services and providing said services back to said object when present;
if not present, at said parent, initiating a request by said parent to said parent's parent for said service;
when a parent is encountered with said service, establishing a connection to said object for transmitting said service.
12. (Withdrawn) The method according to claim 11 wherein said querying and said initiating a request are performed recursively until a parent is encountered that has access to said service or until failure.
13. (Withdrawn) The method according to claim 11 wherein said recursive requesting continues until a top level external server is reached with access to all available services.